Use Attainability Analysis

for

WBID 3321 Holmes Creek

Submitted by Missouri Department of Natural Resources Staff

To Missouri Department of Natural Resources Water Protection Program

2005 JUN 30 PM 3: 46

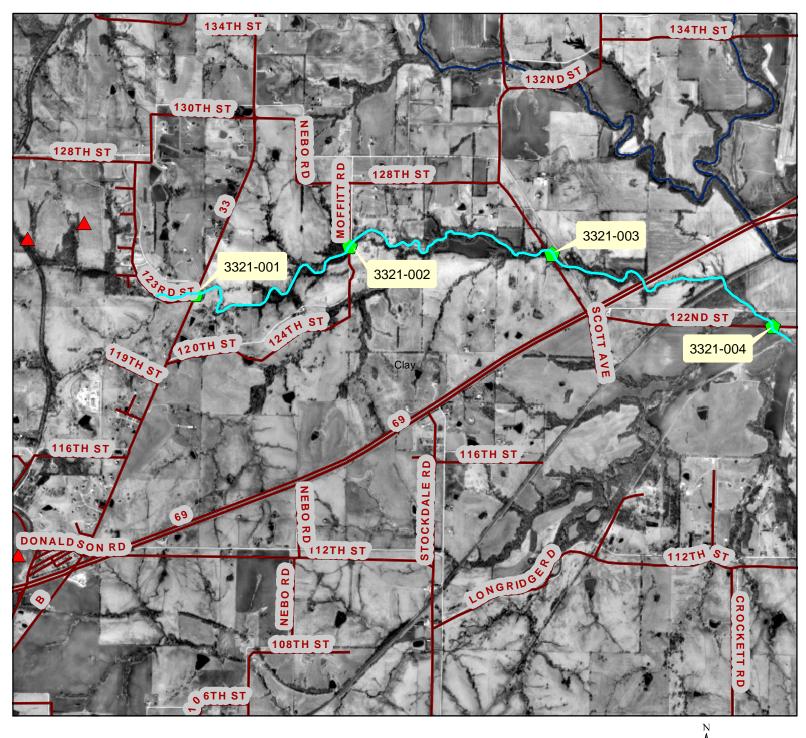
Data Sheet A - Water Body Identification

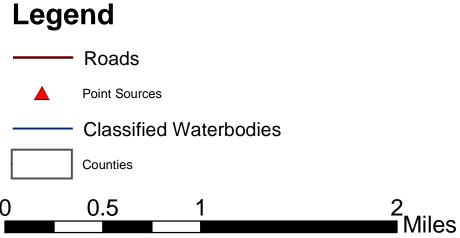
Water Body Name:
(from USGS 7.5' quad) Holmes Creek
8-digit HUC: 10300101
Missouri WBID #: 3321
County: Clay
Upstream Legal Description: Holmes Creek + Chandler Rel Liberty, MO
Downstream Legal Description: Holmes Creek + Summerette
Upstream Coordinates:
[U)AumhiltAirm (April Indian)
(UGS 84, ddd.ddddd) M. 39. 31669 N. 39. 31663, W. 094. 33076
Discharger Facility Name(s): Liberty Village MHP, Platte Clay / Holmes CR HIL
Discharger Permit Number(s): MOCO 85 855 MOO119 148
Number of Sites Evaluated: 3
Name of Surveyor and Telephone Number: Michael Cunning hem /816-622-7016
Organization: MONR / ISCRO
Position: Environmental Specialist

I, the undersigned, hereby affirm to the best of my knowledge, that all information reported on this UAA datasheet is true and accurate.

Signed: Man Carlos Date: 6/23/05

Holmes Creek (C) #3321 Clay County





Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

- 	321		Site Location	Description: Site 01				
Site GPS Coordinates:	<u> 12. 044, 3834</u>	2			Pet libert MO			
Date & Time: 6/23	105 @ 14:	50	Facility Nam	Holmes Creek+ Chandler Rel, Liberty, MO Facility Name: Liberty Village mare Plane Clay /Hol				
Personnel: M. Cur	ningham		Permit Numb	^{et:} Ma 00 85856	MONIIG 140			
Current Weather Condi	tions: 90°F, Ck.	ar	Weather Cor	Weather Conditions for Past 7 days: Hot + Humid				
Photo Ids: Upstream:		wnstream	4,5,6 0	her:	TI SECOND COL			
								
es Observed*:					· · · · · · · · · · · · · · · · · · ·			
Swimming	☐ Skin diving	·	SCUBA diving	☐ Tubing	☐ Water skiing			
☐ Wind surfing	☐ Kayaking	2	Boating	☐ Wading	☐ Rafting			
☐ Hunting	☐ Trapping	-	☐ Fishing	None of the above	☐ Other:			
	oot of marviduals jo	creating,	frequency of use, pho	to-documentation of evidence	e of recreational uses, el			
rrounding Condition					e of recreational uses, el			
rrounding Conditions of interest.)	ns*: (Mark all that p	promote (or impede recreations	uses. Attach photos of evide	e of recreational uses, el			
rrounding Conditions of interest.)	ns*: (Mark all that	promote o	or impede recreations C conservation lands		e of recreational uses, el			
rrounding Conditions of interest.) City/county parks Boating accesses	ns*: (Mark all that parks Playgrounds State parks	promote o	or impede recreations	uses. Attach photos of evide Urban areas Nature trails	ence or unusual Campgrounds Stairs/walkway			
rrounding Conditions of interest.)	ns*: (Mark all that	promote o	or impede recreations C conservation lands	uses. Attach photos of evide Urban areas Nature trails	ence or unusual Campgrounds Stairs/walkway			
rrounding Conditions of interest.) City/county parks Boating accesses	ns*: (Mark all that p Playgrounds State parks Fence	promote o	or impede recreations C conservation lands	uses. Attach photos of evide	ence or unusual Campgrounds Stairs/walkway			
rrounding Conditions of interest.) City/county parks Boating accesses No trespass sign	ns*: (Mark all that p Playgrounds State parks Fence	promote c □ MD □ Nati	or impede recreations C conservation lands	uses. Attach photos of evide Urban areas Nature trails	ence or unusual Campgrounds Stairs/walkway			
rrounding Conditions of interest.) City/county parks Boating accesses No trespass sign dence of Human Us	ns*: (Mark all that parks	Promote of MD □ Nati	or impede recreations C conservation lands ional forests p slopes	uses. Attach photos of evide Urban areas Nature trails	ce NE of 6-3			

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

*Some of this information is not intended to directly influence a decision on any one particular recreational use analysis but may point to conditions that need further analysis or that effect another use.

Page Two - Data Sheet B for WBID # 332/ :

Upstream View				/o>		
Riffle Width		Length (ft):	Avg. Depth		Max. Depth (ft	
Run Width			O (+ Avg. Depth		Max. Depth (fi	<u> </u>
□ Poot Width		Length (ft):	Avg. Depth		Max. Depth (ft	t):
Flow Preser	nt? 🗷 Yes	□ No	Estimated (F	t³/sec): /2	1. fr3/sec	
Downstream Vi	iew Physical l	Dimensions:				
☐ Riffle Width	(ft):	Length (ft):	Avg. Depth	(ft):	Max. Depth (ft	t):
□ Run Width	(ft):	Length (ft):	Avg. Depth		Max. Depth (ft	<u> </u>
Pool Width	ı (ft): <u> </u>	Length (ft):	Avg. Depth	(ft): <u>1</u>	Max. Depth (ft	<u>): Z.</u>
Flow Preser	nt? ⊠ Yes	□ No	Estimated (fi	1 ³ /sec): /z	fr3/sec.	··
- Some alg	al growth	nt of vegetation or al		essment site)		
- Buch + t	res fully stics*: (Mark a	Covering Gan	ho-			
- Some alg - Bruch + t Water Characteri	stics*: (Mark a	Covering Gard If that apply.)	Chemical	ĭMone	□ Other:	
- Some alg - Brush + t Water Characteri Odor: Color:	stics*: (Mark a	Il that apply.) Green	Chemical	≱ None ☐ Milky	Other:	
- Some alg - Bruch + t Water Characteri Odor: Color: Bottom Deposit:	stics*: (Mark a Sewage Clear	Covering Gard If that apply.)	☐ Chemical Gray Fine sediments	Milky □ None		
- Some alg - Brush + t Water Characteri Odor: Color: Bottom Deposit: Surface Deposit:	stics*: (Mark a Sewage Clear Sludge	Il that apply.) Green Solids Scum	☐ Chemical ☐ Gray ☐ Fine sediments ☐ Foam	Mone ☐ Milky ☐ None	Other:	
- Some alg - Brush + t Water Characteri Odor: Color: Bottom Deposit:	stics*: (Mark a Sewage Clear Sludge Oil attach addition to be used sole tanding of water ion use analysis to the contract of	Il that apply.) Musky Green Solids Scum onal comments (in the first point to conditions. Consequent may point to conditions to the best of	Chemical Gray Fine sediments Foam Cluding informate ecreational use designmently, this information ditions that need furth my knowledge, to Date:	None Milky None None ion from integration but rather is not intendence analysis or the content of the	Other: Other: Other: Other: rviews) to this for is to provide a more ad to directly influence that effect another use mation reported	ce a





Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

Missouri WBID#: 3	321		Site Location Description: 5/14 02				
Site GPS Coordinates:	N. 39 51448 W. 094. 36612			reek + Huy. 3			
Date & Time: 6/23		30	Facility Name: Liberty Willoge MAP Plane Clay Helmes CL HIL				
Personnel: M. Cun			Permit Number	MO0085855	MODICALLA		
Current Weather Condi		tear	Weather Condi	tions for Past 7 days: Hor	+U		
Photo Ids: Upstream:		wnstream: 10	11.12 Othe		Transcr.		
	., -,		(/				
Jses Observed*:	<u> </u>			<u></u>			
☐ Swimming	☐ Skin diving	scu	BA diving	☐ Tubing	☐ Water skiing		
☐ Wind surfing	☐ Kayaking	☐ Boat	ing	☐ Wading	☐ Rafting		
☐ Hunting	☐ Trapping	☐ Fishi		None of the above	☐ Other:		
Describe: (include num							
urrounding Conditio				uses. Attach photos of evide			
		promote or impe			nce or unusual		
urrounding Condition	лs*: (Mark all that p	promote or impe	ede recreational u	uses. Attach photos of evide Urban areas Nature trails	nce or unusual Campgrounds		
urrounding Conditionems of interest.)	ns*: (Mark all that p	promote or impe	ede recreational values	uses. Attach photos of evide Urban areas Nature trails	nce or unusual		
urrounding Conditioners of interest.) □ City/county parks □ Boating accesses	ns*: (Mark all that parks □ Playgrounds □ State parks □ Fence	promote or impe	ede recreational values	uses. Attach photos of evide Urban areas Nature trails	nce or unusual Campgrounds Stairs/walkway		
urrounding Conditionems of interest.) City/county parks Boating accesses No trespass sign	ns*: (Mark all that parks □ Playgrounds □ State parks □ Fence	promote or imperior of the promote or imperior of the promote or imperior of the promote of the promote of the promote of the promote or imperior of the promote of the promote or imperior of the promote or imperior of the promote of	ede recreational values	uses. Attach photos of evide Urban areas Nature trails	nce or unusual Campgrounds Stairs/walkway		
urrounding Conditioners of interest.) City/county parks Boating accesses No trespass sign	ns*: (Mark all that parks ☐ Playgrounds ☐ State parks ☐ Fence	promote or impe	ede recreational uservation lands prests	Urban areas ☐ Nature trails ☐ Other: Posture	Campgrounds Stairs/walkway		

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

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Page Two - Data Sheet B for WBID # 332/:

Stream Morph Upstream V	ology: iew Physical Dir	nensions:					
	idth (ft):	Length (ft):	7	Avg. Depth (ît):	Max. Depth (ft):	
⊗ Run W	idth (ft): 15	Length (ft):	300 +	Avg. Depth (n): 3	Max. Depth (ft):	5
□ Pool W	idth (ft):	Length (ft):		Avg. Depth (i	lt):	Max. Depth (ft):	
Flow Pr	esent? Yes	□ No		Estimated (ft ³	/sec): /4	f3/sec.	
Downstream	View Physical I	Dimensions:					
☐ Riffle W	idth (ft):	Length (ft):		Avg. Depth (f	t):	Max, Depth (ft):	
□ Run W	idth (ft):	Length (ft):		Avg. Depth (f	t):	Max. Depth (ft):	
P ool W	idth (ft): ZO	Length (ft):	50	Avg. Depth (f	t): 4	Max. Depth (ft):	5
Flow Pr	esent? XYes	□ No	·	Estimated (ft ³	/sec): 1/2	43/30C	
Olgae gro	tion*: (note amount with - grass eristics*: (Mark a	cover o			sment site)	V V V V V V V V V V V V V V V V V V V	
Odor:	☐ Sewage	☐ Musky	☐ Che:	mical .	None	Other:	
Color:	☐ Clear	☐ Green	Gray	/	☐ Milky	☐ Other:	
Bottom Depos	it: 🗆 Sludge	□ Solids	Fine	sediments	□ None	☐ Other:	· ·-·
Surface Depos	it: 🗆 Oil	□ Scum	☐ Foar	n .	None	☐ Other:	
*This information is comprehensive und decision on the recruit the undersign datasheet is true. Signed: Multi-	s not to be used solel erstanding of water of eation use analysis b ned, hereby affir	y for removal of conditions. Consut may point to commute to the best	a recreation equently, thi conditions th	al use designa s information at need furthe wledge, th Date:6	tion but rath is not inten- r analysis or		this UAA .—
				1 03111011.	<u></u>	<u> </u>	_



3321_002_US





Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

Missouri WBID #: 3	321		Site Location Description: 03				
Site GPS Coordinates:	N. 39. 31663 W. 094, 330	76	Holmes Creek + Summer ette Facility Name: Liberty Village MHP				
Date & Time: 6/2:	3/05€ 16:	05					
l	ming ham		Permit Number: MO 0085865, M00119148				
Current Weather Condi		201	Weather Condi	tions for Past 7 days: Hot	×11 1-1		
Photo Ids: Upstream:		wnstream:16,	17 18 Oth	er: ——	Humi O.		
• • •	<u> </u>		<u> </u>		 ·		
ses Observed*:		 -	·				
Swimming	☐ Skin diving	□ sc	JBA diving	□ Tubing	☐ Water skiing		
☐ Wind surfing	☐ Kayaking	☐ Bos	ting	☐ Wading	☐ Rafting		
☐ Hunting	☐ Trapping	☐ Fish		None of the above	Other:		
Describe: (include num	ber of individuals re	creating, freque	ency of use, photo	o-documentation of evidence	e of recreational uses, etc.		
urrounding Condition				·-			
urrounding Conditions of interest.)				e-documentation of evidence			
urrounding Condition		promote or imp		·-			
urrounding Conditions of interest.)	ns*: (Mark all that p	promote or imp	ede recreational t	uses. Attach photos of evide	nce or unusual		
urrounding Conditions of interest.)	ns*: (Mark all that	promote or imp	ede recreational t servation lands forests	uses. Attach photos of evide	nce or unusual □ Campgrounds □ Stairs/walkway		
urrounding Condition ons of interest.) City/county parks Boating accesses	ns*: (Mark all that	promote or imp MDC con National f	ede recreational t servation lands forests	uses. Attach photos of evide Urban areas Nature trails	nce or unusual □ Campgrounds □ Stairs/walkway		
Irrounding Conditions of interest.) ☐ City/county parks ☐ Boating accesses ☐ No trespass sign	ns*: (Mark all that	promote or imp MDC con National f	ede recreational t servation lands forests	uses. Attach photos of evide Urban areas Nature trails	nce or unusual □ Campgrounds □ Stairs/walkway		
Dirrounding Condition In Soft interest.) □ City/county parks □ Boating accesses □ No trespass sign Vidence of Human Us	ns*: (Mark all that Playgrounds State parks Fence	promote or imp MDC con National i	sede recreational u servation lands forests	Urban areas Nature trails	☐ Campgrounds ☐ Stairs/walkway		

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

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Page Two - Data Sheet B for WBID # 332/:

	ı (ft):	Length (ft):		Avg. Depth (ft):		Max. Depth	(ft):	
Run Width	ı (ft): <i> O</i>	Longth (ft):	80	Avg. Depth (ft):	3	Max. Depth	(ft): 4	!
□ Pool Width		Length (ft);	·	Avg. Depth (ft):		Max. Depth	(ft):	
2 Flow Preser	nt? 🗶 Yes	□ No		Estimated (ft ³ /sec	143	/sec.		
оwnstream Vi	iew Physical	Dimensions:						
□ Riffle Width		Length (ft):		Avg. Depth (ft):		Max. Depth	(ft):	·····
KRun Width	(ft): 15	Length (ft):	300+ ·	Avg. Depth (ft):	2	Max. Depth	(ft): 3	<u>.</u> 3
□ Pool Width	(ft):	Length (ft):		Avg. Depth (ft):		Max. Depth	(ft):	_
Flow Presen	nt? ≱ Yes	□ No		estimated (ft³/sec)	: 1 4:	3/5ec		
strate*: (These			•					
50 % Cobbl	e 10 %	Gravel Z	0 % Sand	20%	Silt 0	% Mud/Clay	0	% Bedrock
tan Chanastani		m that apply.)						
ter Characteris Odor:			☐ Cher	nical EX	None	Other:		
•	□ Sewage □ Clear	☐ Musky	□ Cher			Other:		
Odor: Color:	□ Sewage	☐ Musky	⊠ Gray		None Ailky None	Other:		
Odor: Color: Bottom Deposit:	□ Sewage □ Clear	☐ Musky	⊠ Gray	sediments 🗆 N	Ailky Ione	☐ Other:		
Odor: Color: Bottom Deposit: Surface Deposit:	□ Sewage □ Clear □ Sludge □ Oil	☐ Musky ☐ Green ☐ Solids ☐ Scum	⊠ Gray	sediments D	Ailky None None	Other:	form.	
Odor: Color: Bottom Deposit: Surface Deposit: nments: Please s information is no prehensive understa	☐ Sewage ☐ Clear ☐ Sludge ☐ Oil attach additions to be used sole anding of water	☐ Musky ☐ Green ☐ Solids ☐ Scum Onal comments ely for removal of conditions. Conse	Fine Foan (including a recreations equently, this	sediments \(\text{N} \) i	Milky None None rom inter but rather	Other: Other: Other: to other: to other:	ore ence a	
Odor: Color: Bottom Deposit: Surface Deposit: nments: Please s information is no	☐ Sewage ☐ Clear ☐ Sludge ☐ Oil attach additions to be used sole anding of water	☐ Musky ☐ Green ☐ Solids ☐ Scum Onal comments ely for removal of conditions. Conse	Fine Foan (including a recreations equently, this	sediments \(\text{N} \) i	Milky None None rom inter but rather	Other: Other: Other: to other: to other:	ore ence a	
Odor: Color: Bottom Deposit: Surface Deposit: nments: Please s information is no prehensive understation on the recreation	☐ Sewage ☐ Clear ☐ Sludge ☐ Oil attach additions to be used sole anding of water on use analysis in the control of the contro	☐ Musky ☐ Green ☐ Solids ☐ Scum Donal comments Hy for removal of conditions. Consecut may point to comment to the best	Fine Foan (including a recreations equently, this conditions the	sediments \(\text{N} \) in \(\text{N} \) information find use designation is not information is not in need further analysis.	Ailky None Tom inter but rather ot intended	Other: Other: Other: to other: other: to other: oth	ore ence a use.	nis UAA
Odor: Color: Bottom Deposit: Surface Deposit: nments: Please s information is no prehensive understation on the recreation a undersigned, asheet is true a	☐ Sewage ☐ Clear ☐ Sludge ☐ Oil attach additions to be used sole anding of water on use analysis in the control of the contro	☐ Musky ☐ Green ☐ Solids ☐ Scum Donal comments Hy for removal of conditions. Consecut may point to comment to the best	Fine Foan (including a recreations equently, this conditions the	sediments \(\text{N} \) in \(\text{N} \) information find use designation is not information is not in need further analysis.	Ailky None Tom inter but rather ot intended	Other: Other: Other: to other: other: to other: oth	ore ence a use.	nis UAA
Odor: Color: Bottom Deposit: Surface Deposit: nments: Please s information is no prehensive understation on the recreation	☐ Sewage ☐ Clear ☐ Sludge ☐ Oil attach additions to be used sole anding of water on use analysis in the control of the contro	☐ Musky ☐ Green ☐ Solids ☐ Scum Donal comments Hy for removal of conditions. Consecut may point to comment to the best	Fine Foan (including a recreations equently, this conditions the	sediments \(\text{N} \) in \(\text{N} \) information find use designation is not information is not in need further analysis.	Milky None None Tom inter but rather of intended alysis or the	Other: Other: Other: to Other: to other: othe	ore ence a use.	nis UAA



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